Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/07/2021 08:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124163	-1	1.28	124082	1.26
Blue	F	SSC	125000	124210	-1	2.79	124452	2.68
Blue	E	FITC	13131	12677	-4	2.23	293	15.11
Blue	D	PE	24112	23737	-2	1.62	545	10.45
Blue	B	PerCP-Cy5-5	31295	30674	-2	3.02	1017	13.91
Blue	A	PE-Cy7	19939	19930	-1	5.13	531	27.82
Red	C	APC	42122	41422	-2	3.06	1735	11.09
Red	A	APC-Cy7	22340	21797	-3	3.36	815	11.58
Violet	B	V450	7410	7145	-4	3.81	439	12.68
Violet	A	V500	28118	27137	-4	3.41	680	10.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22807	1.02	561	-8	N/A	N/A	Pass
Blue	F	SSC	57992	1.11	514	2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	481	-6	0.0467	157	Pass
Blue	D	PE	114	37.07	484	-4	0.4844	374	Pass
Blue	B	PerCP-Cy5-5	190	34.30	579	-7	0.0220	75	Pass
Blue	A	PE-Cy7	108	64.38	622	-6	0.0242	0	Pass
Red	C	APC	404	23.81	577	1	0.0309	281	Pass
Red	A	APC-Cy7	183	26.69	551	0	0.0063	785	Pass
Violet	B	V450	62	62.00	452	-1	0.0565	2098	Pass
Violet	A	V500	99	35.79	463	-2	0.0247	1016	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.73	-31.48	1.14
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.47	13.60 - 20.40	N/A	N/A	29.88	30.07	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10117

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments